

CLAIMS:

1. A method of manufacturing a curved flat panel display device, comprising the step of adhering, at least a first film to the surface of a second film, in such a way that the films are held in a curved shape by means of the adhesion between the films.
- 5 2. A method as in claim 1, wherein one of said films is a display layer exhibiting display functionality, and the other one of said layerfilms is an additional film.
3. A method as in claim 2, further comprising the step of pre-tensioning said additional film before it is adhered to the surface of said display layer.
- 10 4. A method as in claim 3, wherein the step of pre-tensioning said additional film comprises the step of uni-axially stretching said additional film, during the adhering process.
5. A method as in claim 2, 3 or 4, wherein the step of adhering the films to each other comprises the step of applying a bending force to one of said films, in which position the other film is bent and adhered to a surface of the bent film.
- 15 6. A method as in any one of the claims 2-5, wherein said additional film is arranged to be adhered to one of an intended inner or outer side of the curvature of the flat panel display.
- 20 7. A method as in any one of the claims 2-6, wherein said adhering of the additional film to the display film is done by means of laminating.
- 25 8. A curved flat panel display device, comprising at least a first and a second film, characterised in that the first and second films are adhered to each other, whereby the adhesion between said films is arranged to hold the display device in a curved shape.

9. A display device as in claim 8, wherein the first and second film is an additional film and a display layer, respectively.

10. A curved display device, being manufactured in accordance with any one of the claims 1-7.

11. A display device as in claim 9 or 10, wherein said additional film is arranged to cover essentially the entire surface of the display layer.

10 12. A display device as in claim 9 or 10, wherein said additional film is arranged to only partly cover parts of the surface of the display layer.

13. A display device as in claim 9 or 10, wherein said additional film is arranged essentially along an edge of the display layer surface.

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14. A display device as in any one of the claims 9-13, wherein the additional film has a varying thickness.

15. A display device as in any one of the claims 9-14, wherein the thickness of said additional film is selected to shift a plane of essentially zero tensile or compressive stress of the display device upon bending of the display device to a desired plane of the display device cross section.

16. A display device as in claim 9-15, wherein said display device is one of an liquid crystal display device, an electrophoretic display device, an e-ink device, a polymer light emitting display device or an organic light emitting display device.

17. A display device as in claim 9-16, wherein said additional film further is arranged to function as at least one of polariser, a front light, a backlight, a brightness enhancing film, a reflector film, an anti-reflection film or a retardation film.

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